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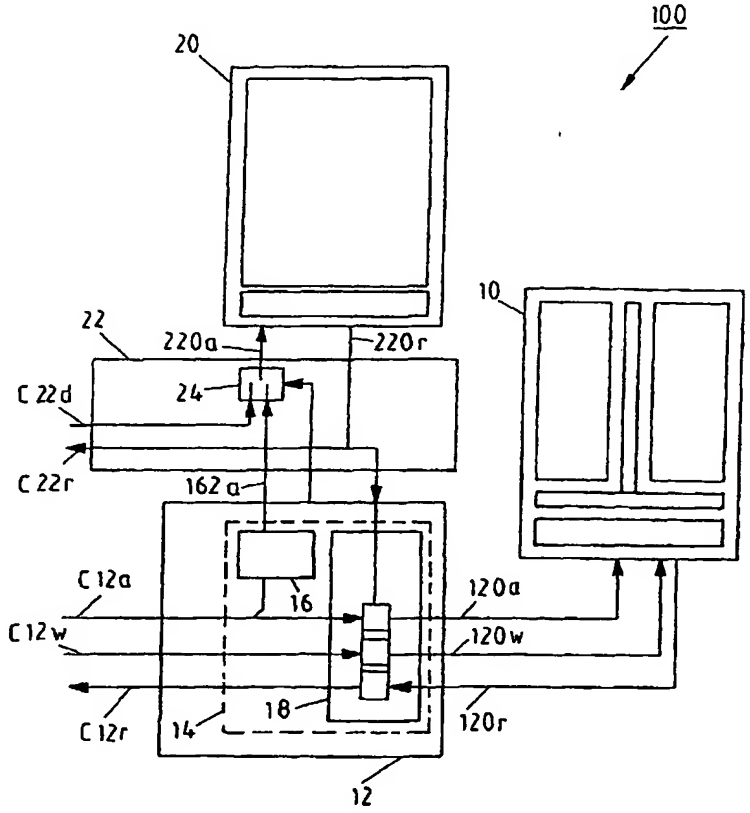
*[Continued on next page]*

(54) Title: CIRCUIT ARRANGEMENT WITH NON-VOLATILE MEMORY MODULE AND METHOD OF EN-/DECRYPTING DATA IN THE NON-VOLATILE MEMORY MODULE




(57) Abstract: In order further to develop a circuit arrangement (100) for electronic data processing - having at least one non-volatile memory module (10) for storing data to be protected against unauthorized access by means of encryption or decryption; - having at least one memory module interface logic circuit (12) assigned to the memory module (10) -- for addressing the memory module (10) and -- for writing the data to the memory module (10) or -- for reading out the data from the memory module (10);- having at least one code R[ead]O[nly]M[emory] module (20) for storing and/or supplying at least one R[ead]O[nly]M[emory] code; and- having at least one code ROM module interface logic circuit (22) assigned to the code ROM module (20) -- for addressing the code ROM module (20) and -- for reading out the ROM code from the code ROM module (20) and an en-/decryption method based thereon in such a way that on the one hand the key code may be changed for different controller versions with different ROM codes and on the other hand the length of the key code is not limited, it is proposed that the data assigned to the memory module (10) be encrypted or decrypted by means of the ROM code supplied by the code ROM module (20).

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